

JG04 Rec'd PCT/PTO 28 JUN 2001

Patent Attorney
Docket No. 81669

TRANSMITTAL LETTER

Inventor: KATHRIN BERLIN
Serial No: 09/856,333
Filing Date: May 18, 2001
Notice of Allowance:
For: METHOD FOR THE IDENTIFICATION OF CYTOSINE METHYLATION PATTERNS IN
GENOMIC DNA

Group Art Unit: Unknown
Examiner: Unknown
Batch:

Assistant Commissioner for Patents
Washington, D. C. 20231

Dear Sir:

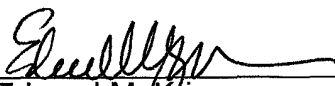
Transmitted herewith for the above-identified patent application are the following:

Information Disclosure Statement
Form PTO-FB-A820 (3 sheets)
Copies of 12 documents
A return postcard

The item(s) checked below are appropriate:

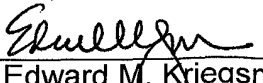
- an 1. ☐ Applicant(s) hereby petition(s) for a () month extension of time to respond to
dated .
1755. 2. ☒ Please charge any fees or costs not accounted for to Deposit Account No. 11-
3. ☐ Applicant is a small entity.

Date: June 25, 2001


Edward M. Kriegsman
Reg. No. 38,529

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I hereby certify that this correspondence is being deposited with the United States Postal
Service as first class mail in an envelope addressed to Assistant Commissioner for Patents,
Washington, D. C. 20231 on June 25, 2001.


Edward M. Kriegsman



PATENT
Attorney Docket No. 81669

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
KATHRIN BERLIN)	
)	
Serial No.: 09/856,333)	Group Art Unit: Unknown
)	
Filed: May 18, 2001)	Examiner: Unknown
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For: METHOD FOR THE IDENT-)	
IFICATION OF CYTOSINE)	
METHYLATION PATTERNS IN)	
GENOMIC DNA)	

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

INFORMATION DISCLOSURE STATEMENT

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, Applicant discloses the following information:

1. WO 97/46705, PCT, published December 11, 1997;
2. German Patentschrift DD 293,139 A5, published August 22, 1991 (This German-language document describes a method for characterizing specific DNA sequences in which the DNA molecules, whose unmethylated recognition sites can be cleaved by an appropriate restriction endonuclease, are incubated in a reaction mixture with a second, unmethylated DNA species - particularly oligonucleotide duplexes, which contain the recognition site.);
3. Shapiro et al., "Specific Deamination of RNA by Sodium Bisulphite," Nature, 227:1047-8 (1970);
4. Rein et al., "Identifying 5-methylcytosine and related modifications in DNA genomes," Nucleic Acids Research, 26(10):2255-64 (1998);
5. Karas et al., "Laser Desorption Ionization of Proteins with Molecular Masses Exceeding 10,000 Daltons," Anal. Chem., 60:2299-301 (1988);

6. Berkenkamp et al., "Infrared MALDI Mass Spectrometry of Large Nucleic Acids," Science, 281:260-2 (July 10, 1998);
7. Cotton et al., "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations," Proc. Natl. Acad. Sci. USA, 85:4397-401 (1988);
8. Cotton, "Current methods of mutation detection," Mutation Research, 285:125-44 (1993);
9. Saleeba et al., "Chemical Cleavage of Mismatch to Detect Mutations," Methods in Enzymology, 217:286-95 (1993);
10. Smooker et al., "The use of chemical reagents in the detection of DNA mutations," Mutation Research, 288:65-77 (1993);
11. Smith et al., "Mutation detection with MutH, MutL, and MutS mismatch repair proteins," Proc. Natl. Acad. Sci. USA, 93:4374-9 (April 1996);
12. Parsons et al., "Evaluation of MutS as a tool for direct measurement of point mutations in genomic DNA," Mutation Research, 374:277-85 (1997).

Copies of the foregoing documents are provided with this paper. In addition, these documents are listed on the enclosed PTO Form FB-A820. Applicant respectfully requests that the Examiner consider the enclosed documents and evidence that consideration by making appropriate notations on the enclosed form.

This submission does not represent that a search has been made or that no better prior art exists and does not constitute an admission that the enclosed documents constitute "prior art."

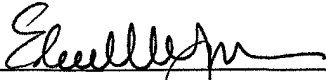
Applicant reserves the right to take appropriate action to establish the patentability of the disclosed invention over the enclosed documents, should the documents be applied against the claims of the present invention.

If there are any fees due in connection with the filing of this paper that are not accounted for, the Examiner is authorized to charge the fees to our Deposit Account No. 11-1755. If a fee is required for an extension of time under 37 C.F.R. 1.136 that is not

accounted for already, such an extension of time is requested and the fee should also be charged to our Deposit Account.

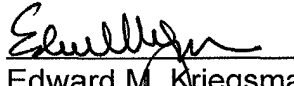
Respectfully submitted,

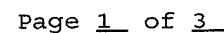
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Dated: June 25, 2001

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Edward M. Kriegsman
Reg. No. 33,529
Dated: June 25, 2001



U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

